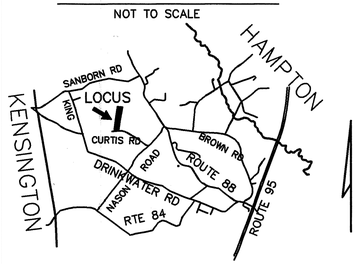
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 42 CANTON, 66 PAXTON, 33 SCITICO

(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1	SET HUB EL 50.00
#2	SET NAIL BASE APPLE EL 39.65
#3	SET NAIL STUMP EL 37.15
#4	SET NAIL STUMP EL 42.69

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 41.8 WHICH IS APPROX 3" ABOVE ORIGINAL GROUND ON THE HIGH CONTOUR THE DESIGNED EDS. EL 41.5

SUITABLE REPLACEMENT AREA:

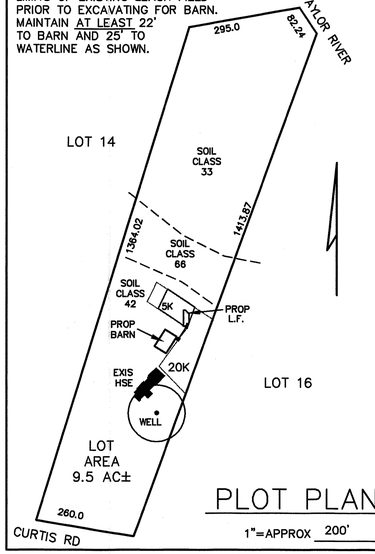
SYSTEM MUST BE REBUILT IN PLACE OR REDESIGNED.

LEGEND:

- 50 / (50) — EXISTING CONTOUR / PROPOSED CONTOUR
- 50.0 — EXISTING SPOT ELEVATION
- (50.0) — PROPOSED SPOT ELEVATION
- V.I.F. — VERIFY EXISTING SYSTEM LOCATION IN FIELD

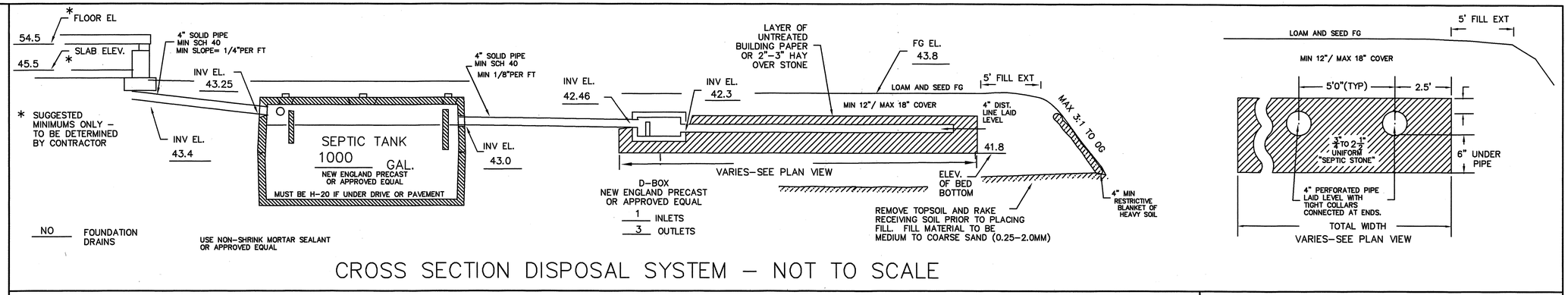
NOTES:

1. THIS PLAN IS NOT TO BE CONSTRUED AS A BOUNDARY SURVEY. PROPERTY LINES SHOWN ARE APPROXIMATED BASED ON INFORMATION FROM THE FOLLOWING SOURCE: RCRD PLAN D12057
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: 18874
   PREVIOUS CONSTRUCTION APPROVAL: 124478
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL WASTE.
4. NO SURFACE WATER OR WELL WITHIN 100' OF PROPOSED SYSTEM.
5. CONTRACTOR TO FIELD VERIFY LIMITS OF EXISTING LEACH FIELD PRIOR TO EXCAVATING FOR BARN. MAINTAIN AT LEAST 22' TO BARN AND 25' TO WATERLINE AS SHOWN.



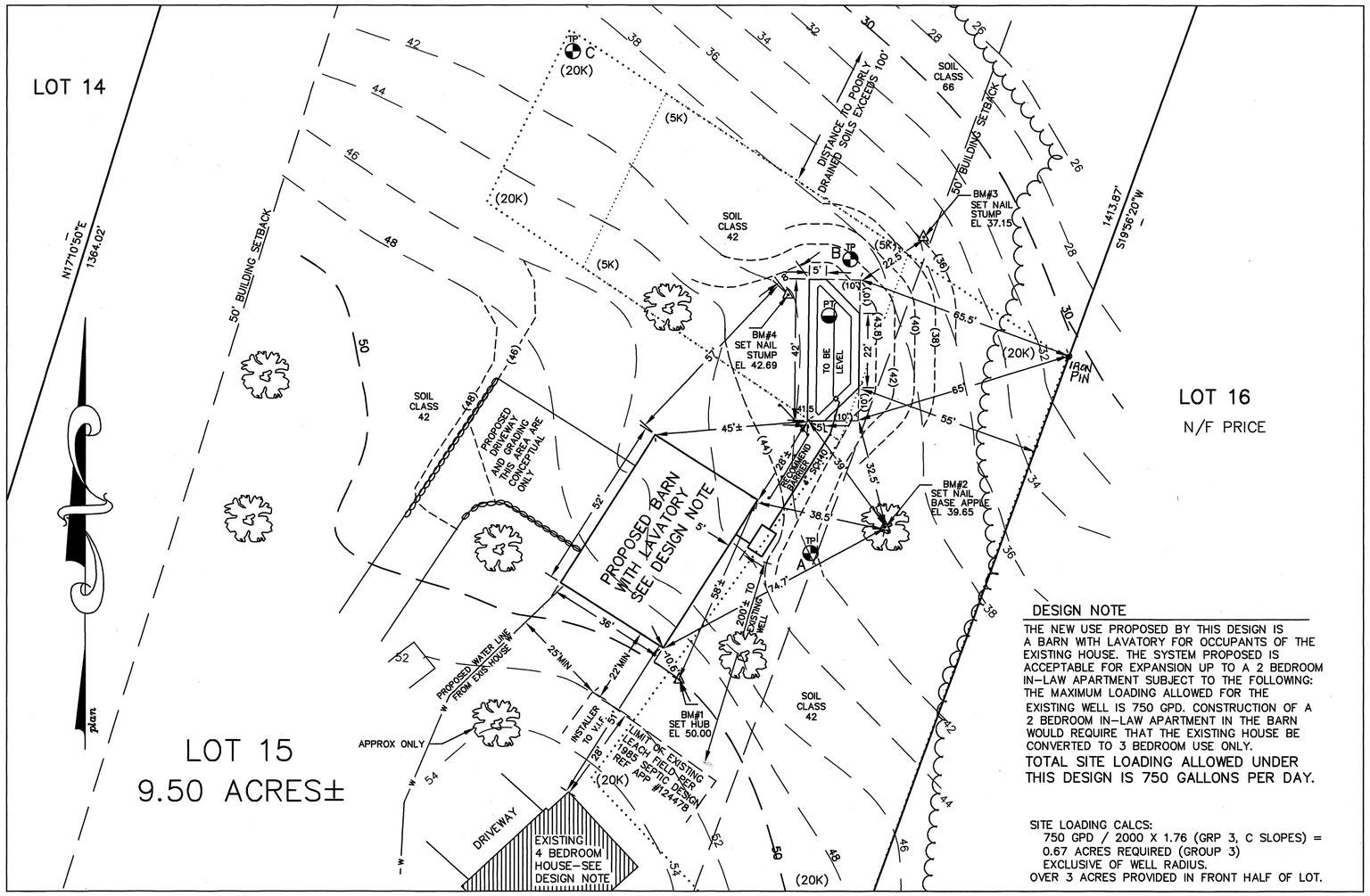
PLOT PLAN

1"=APPROX 200'


* FLOOR EL
54.5
SLAB ELEV.
45.5
* SUGGESTED MINIMUMS ONLY – TO BE DETERMINED BY CONTRACTOR
4" SOLID PIPE MIN SCH 40 MIN SLOPE= 1/4"PER FT
INV EL. 43.25
INV EL. 43.4
SEPTIC TANK 1000 GAL. NEW ENGLAND PRECAST OR APPROVED EQUAL
MUST BE H–20 IF UNDER DRIVE OR PAVEMENT
4" SOLID PIPE MIN SCH 40 MIN 1/8"PER FT
INV EL. 43.0
INV EL. 42.46
INV EL. 42.3
LAYER OF UNTREATED BUILDING PAPER OR 2"–3" HAY OVER STONE
FG EL. 43.8
LOAM AND SEED FG
5' FILL EXT
MIN 12"/ MAX 18" COVER
4" DIST. LINE LAID LEVEL
MAX 3:1 TO 0G
41.8
VARIES–SEE PLAN VIEW
ELEV. OF BED BOTTOM
D–BOX NEW ENGLAND PRECAST OR APPROVED EQUAL
1 INLETS
3 OUTLETS
4" MIN RESTRICTIVE BLANKET OF HEAVY SOIL
REMOVE TOPSOIL AND RAKE RECEIVING SOIL PRIOR TO PLACING FILL. FILL MATERIAL TO BE MEDIUM TO COARSE SAND (0.25–2.0MM)
NO FOUNDATION DRAINS
USE NON–SHRINK MORTAR SEALANT OR APPROVED EQUAL
5' FILL EXT
LOAM AND SEED FG
MIN 12"/ MAX 18" COVER
5'0"(TYP)
2.5'
3/4" TO 2 1/2" UNIFORM "SEPTIC STONE"
6" UNDER PIPE
4" PERFORATED PIPE LAID LEVEL WITH TIGHT COLLARS CONNECTED AT ENDS.
TOTAL WIDTH
VARIES–SEE PLAN VIEW

CROSS SECTION DISPOSAL SYSTEM – NOT TO SCALE

PLAN : 1"=20'



DESIGN NOTE

THE NEW USE PROPOSED BY THIS DESIGN IS A BARN WITH LAVATORY FOR OCCUPANTS OF THE EXISTING HOUSE. THE SYSTEM PROPOSED IS ACCEPTABLE FOR EXPANSION UP TO A 2 BEDROOM IN–LAW APARTMENT SUBJECT TO THE FOLLOWING: THE MAXIMUM LOADING ALLOWED FOR THE EXISTING WELL IS 750 GPD. CONSTRUCTION OF A 2 BEDROOM IN–LAW APARTMENT IN THE BARN WOULD REQUIRE THAT THE EXISTING HOUSE BE CONVERTED TO 3 BEDROOM USE ONLY.

TOTAL SITE LOADING ALLOWED UNDER THIS DESIGN IS 750 GALLONS PER DAY.

SITE LOADING CALCS:
750 GPD / 2000 X 1.76 (GRP 3, C SLOPES) =
0.67 ACRES REQUIRED (GROUP 3)
EXCLUSIVE OF WELL RADIUS.
OVER 3 ACRES PROVIDED IN FRONT HALF OF LOT.

TP TEST PIT DATA

DATE: MAY 16, 2005 TOWN INSPECTOR: MIKE CUOMO

TEST PIT A ELEV 42.0

0 10" 10YR3/4 FINE SANDY LOAM, GRANULAR FRIABLE
10–38" 10YR4/6 FINE SANDY LOAM, GRANULAR FRIABLE
38–72" 2.5Y5/6 FINE SANDY LOAM, MASSIVE FIRM
ESHWT@38", NO OBSERVED WATER, NO REFUSAL
ROOTS TO 4'+

TEST PIT B ELEV 39.0

0 – 5" 10YR3/4 FINE SANDY LOAM, GRANULAR FRIABLE
5 –52" 10YR4/6 FINE SANDY LOAM, GRANULAR FRIABLE
52–77" 2.5Y4/3 GRAVELLY LOAMY SAND, GRAN FRIABLE
ESHWT @ 52", NO OBSERVED WATER, NO REFUSAL
ROOTS TO 4'+

TES PIT C ELEV 40

0 – 5" 10YR3/4 FINE SANDY LOAM, GRANULAR FRIABLE
5 –44" 10YR4/6 FINE SANDY LOAM, GRANULAR FRIABLE
44–75" 2.5Y5/6 FINE SANDY LOAM, MASSIVE FIRM
ESHWT @44', NO OBSERVED WATER, NO REFUSAL

PT PERC TEST DATA

DATE: 5/16/05
PERC RATE: 4 MIN/IN DEPTH: 24"
DESIGN LOADING: 300 GPD MINIMUM SYSTEM SEE DESIGN NOTE
AREA REQUIRED: 140 SF/100GPD X 3 = 420 GPD; 420 X 1.25 (HAMPTON FALLS) = 525 SF REQUIRED
AREA PROPOSED: 530 SF LEACH FIELD PROVIDED

PROPOSED

SEPTIC SYSTEM PLAN

LOCUS: 19 CURTIS ROAD, HAMPTON FALLS, NH

OWNER: JANE SHANAHAN REVOCABLE TRUST, C/O JANE SHANAHAN 19 CURTIS ROAD, HAMPTON FALLS, NH 03844

NEW HAMPSHIRE Designer of Subsurface Disposal Systems ... Ann W. Bialobrzeski No. 348 ... Water Supply & Pollution Control

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03842

DATE: MAY 19, 2005

APPROVAL: CA2005072404

SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.

ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.

ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.

ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.